

SURVEYED BY _____
SUPERVISED BY _____
DESIGNED BY _____

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

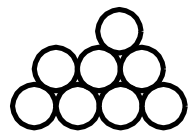
REVISED	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
NEW 10/22/08	VA.		7		20(2)



Typical
4" - 4 Way

TYPICAL CROSS SECTIONS (N.T.S.)

VERIZON COMMUNICATION CONDUIT BUNDLE
GRAY CONDUITS



Typical
1.5" - 8 Way

TYPICAL CROSS SECTIONS (N.T.S.)

WOODLAWN COMMUNICATION CONDUIT BUNDLE
YELLOW/WHITE/GREEN/RED CONDUITS



Typical
4" - 1 Way

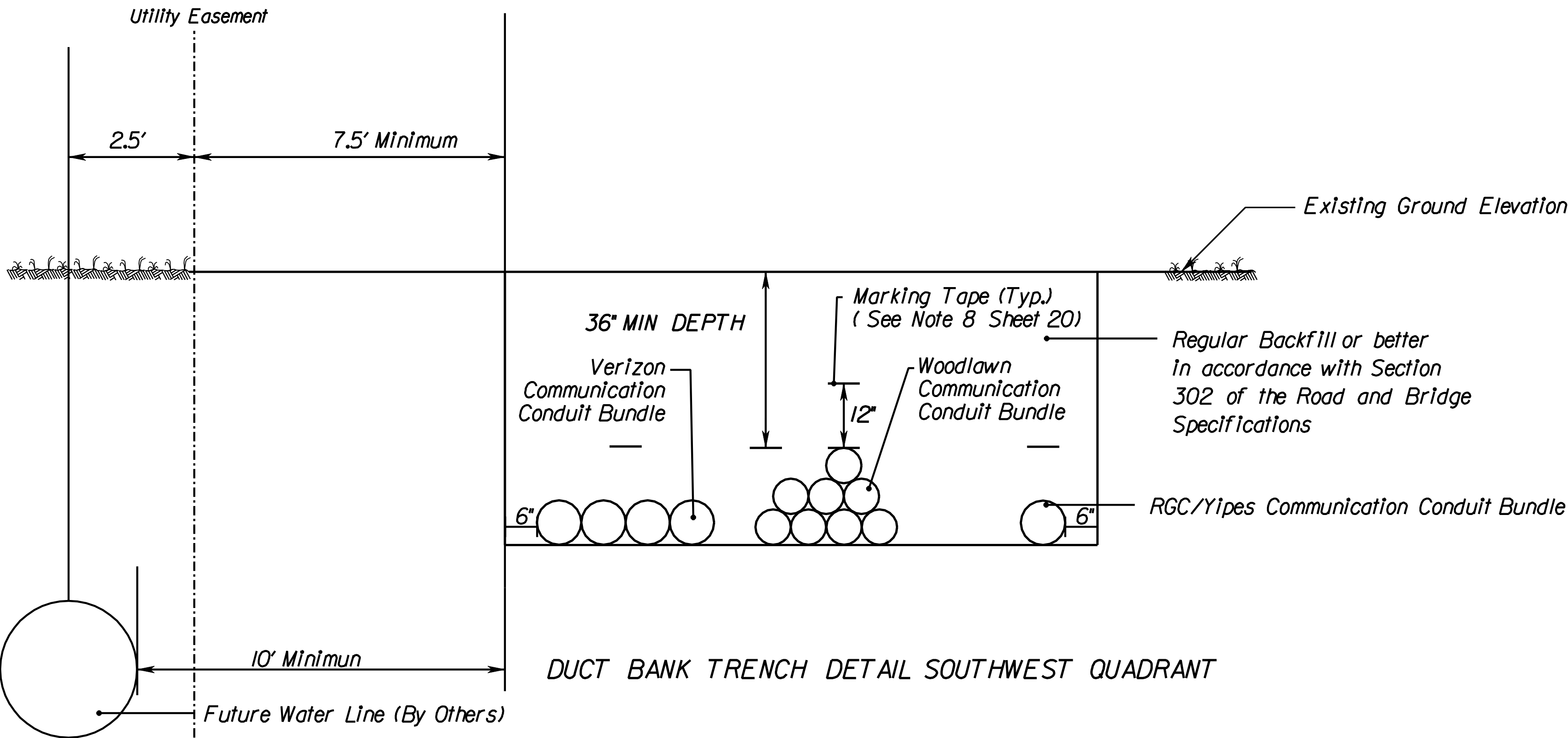
TYPICAL CROSS SECTIONS (N.T.S.)

RGC/ YIPES COMMUNICATION CONDUIT BUNDLE
BROWN CONDUITS



TYPICAL CROSS SECTIONS (N.T.S.)

MCI/VERIZON COMMUNICATION CONDUIT BUNDLE
BLUE CONDUITS



NOTES:

1. AFTER INSTALLATION, ALL DUCTS MUST BE PROOFED WITH A MANDREL HAVING A DIAMETER OF 1/4" LESS THAN THE BASE DIAMETER OF THE CONDUIT. PULL LINES OF 1000 LB TENSILE STRESS SHALL BE INSTALLED IN EACH OF THE CONDUITS TO ACCOMMODATE CABLE PULLING.
2. ANY EXPOSED NO.57 STONE BEYOND THE HORIZONTAL LIMITS OF THE DUCT BANK OR VAULT SHALL BE CAPPED WITH 4 INCHES OF AGGREGATE BASE MATERIAL NO.21A AT NO ADDITIONAL COST TO THE COUNTY. WHERE SUCH CONDITIONS ARE DISCOVERED IN THE FIELD AND/OR THE CONTRACTOR IS DIRECTED BY THE ENGINEER TO USE NO.57 STONE WHERE THERE WILL BE NO ADJUSTMENT TO THE UNIT PRICE OF COMMUNICATION DUCT BANKS OR COMMUNICATION VAULTS. UPON DISCOVERY OF SOFT SOILS OR UNSUITABLE MATERIAL AT THE BOTTOM OF THE EXCAVATION THAT INHIBITS THE CONSTRUCTION OF THE PROPOSED DUCT BANKS OR VAULTS OR FAILS TO PROVIDE FIRM BEARING, THE CONTRACTOR SHALL, UPON THE DIRECTION OF THE ENGINEER, OVER EXCAVATE TO A DEPTH ACCEPTABLE BY THE ENGINEER. ALL OVER-EXCAVATED SOFT SOILS OR UNSUITABLE MATERIAL BELOW THE BOTTOM OF THE NORMAL EXCAVATION DEPTH SHALL BE REPLACED WITH AGGREGATE NO.57 STONE OR SUITABLE BACKFILL AS APPROVED BY THE ENGINEER.

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COMM. UTILITY RELOCATION PLAN
COMMUNICATION DUCT BANK DETAILS

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
			20(2)